

INTERNATIONAL SEARCH REPORT

Int: nal Application No
PCT/EP2004/051217

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/06 H04L12/46

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 571 289 B1 (MONTENEGRO GABRIEL E) 27 May 2003 (2003-05-27) column 1, line 54 - column 2, line 5 column 2, line 62 - column 4, line 13 -----	1-23
Y	US 6 253 327 B1 (LOU SHUXIAN ET AL) 26 June 2001 (2001-06-26) column 3, line 7 - line 12 column 4, line 30 - line 47 -----	1-23
A	WO 01/72009 A (AT & T CORP) 27 September 2001 (2001-09-27) page 2, line 10 - page 3, line 16; claim 1 -----	1-23

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

4 November 2004

Date of mailing of the international search report

11/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Veen, G

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/051217

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6571289	B1	27-05-2003	AU 5244299 A EP 1103128 A1 JP 2002522964 T WO 0008818 A1	28-02-2000 30-05-2001 23-07-2002 17-02-2000
US 6253327	B1	26-06-2001	NONE	
WO 0172009	A	27-09-2001	CA 2400623 A1 EP 1264463 A2 WO 0172009 A2	27-09-2001 11-12-2002 27-09-2001